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(54) Title: A POLYURETHANE RESIN FOR COLOR INKS

(57) Abstract: The present invention is related to a polyurethane resin, obtainable by reacting 1-isocyanato-5-isocyanatomethyl-3,3,5-trimethylcyclohexane (isophorone diisocyanate (IPDI)) alone or together with one or more aliphatic diisocyanates, with a polyether polyol having an average molecular weight in the range of 1000 to less than 3000 g/mol; adding a diamine; adding a polyol having an average molecular weight of equal or less than 800 g/mol; and optionally reacting the product obtained in steps a) to c) with at least one terminating agent, wherein the ratio of equivalent weights of diisocyanates to the group of isocyanate-reactive components consisting of the said polyether polyol, the said diamine, the said polyol, and the said terminating agent is 1:1 or greater than 1.

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